

Title (en)
EROSION-RESISTANT COATING

Publication
EP 0273298 A3 19900117 (DE)

Application
EP 87118595 A 19871215

Priority
DE 3644116 A 19861223

Abstract (en)
[origin: US4838942A] Synthetic material substrates are protected against erosion and corrosion by a lacquer type coating which is baked or bonded onto the substrate at relatively low temperatures below 200 DEG C. to protect the synthetic material substrate against damage. The coating is a dispersion of metal powder in an aqueous solution of about equal weight proportions of phosphorous acid and phosphoric acid with an optional weight proportion of not more than 5 percent of aluminum phosphate, and about 10 to 20 weight percent of chromic acid. The remainder is water.

IPC 1-7
C09D 1/00; **C08J 7/04**; **C09D 5/38**; **B05D 3/02**; **B44D 3/12**

IPC 8 full level
B05D 7/24 (2006.01); **B05D 3/02** (2006.01); **B44D 3/12** (2006.01); **C08J 7/044** (2020.01); **C08J 7/06** (2006.01); **C09D 1/00** (2006.01); **C09D 5/08** (2006.01); **C09D 5/38** (2006.01)

CPC (source: EP US)
C08J 7/044 (2020.01 - EP US); **C08J 7/06** (2013.01 - EP US); **C09D 1/00** (2013.01 - EP US); **C09D 5/38** (2013.01 - EP US)

Citation (search report)
• [X] EP 0150650 A2 19850807 - SERMATECH INT INC [US]
• [A] DE 2140208 A1 19730215 - MTU MUENCHEN GMBH [DE]

Cited by
US5387172A; CN105802289A; DE102013109661A1; DE4116639A1; DE4116641A1; EP2256030A4; EP3006591A1

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0273298 A2 19880706; **EP 0273298 A3 19900117**; **EP 0273298 B1 19930317**; AT E87017 T1 19930415; DE 3644116 A1 19880707; DE 3644116 C2 19890427; DE 3784882 D1 19930422; JP 2615107 B2 19970528; JP S63168475 A 19880712; US 4838942 A 19890613; US 4859506 A 19890822

DOCDB simple family (application)
EP 87118595 A 19871215; AT 87118595 T 19871215; DE 3644116 A 19861223; DE 3784882 T 19871215; JP 32307387 A 19871222; US 13717687 A 19871223; US 21287588 A 19880628